

<b>Mouse</b>	<b>NADE</b>	51	GQARRLAPNFRWAI PNRQMNDGLGGDGD DDMEFMEMEIRRI RKRLRELQLR	*	*	*	*	*	*
<b>Human</b>	<b>NADE</b>	38	GQARRLAPNFRWAI PNRQINDGMGGDGD DDMEIFMEEMREI RRKLRELQLR						

<b>Mouse NADE</b>	101	<u>N</u> CLRI <u>LMG</u> ELSNHHDDHHDEFCLMP	124
<b>Human NADE</b>	88	NCLRILMGELSNHHDDHHDEFCLMP	111

# Figure 1A

### Figure 1 B

		Box 1	Box 2
		-----	-----
<b>Mouse</b>	88-114	REIRRKLRRELQLRNCLRIILMGELSNNHH	
<b>Human</b>	75-101	REIRRKLRRELQLRNCLRIILMGELSNNHH	
<b>Consensus</b>		RXXLXXLX--N	RXXLXXLXN

**Figure 1 C**

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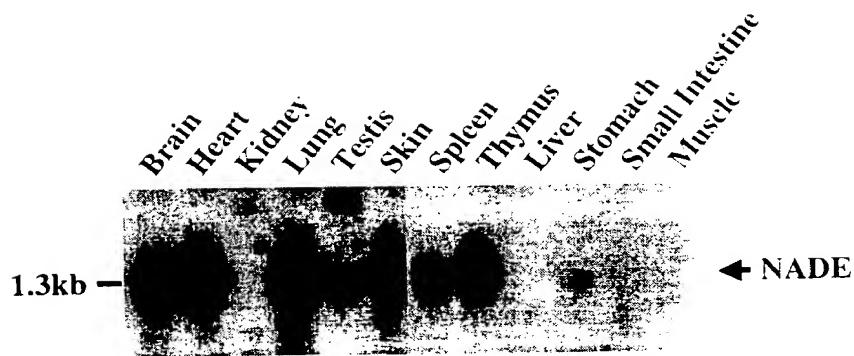


Figure 1 D

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Figure 1E

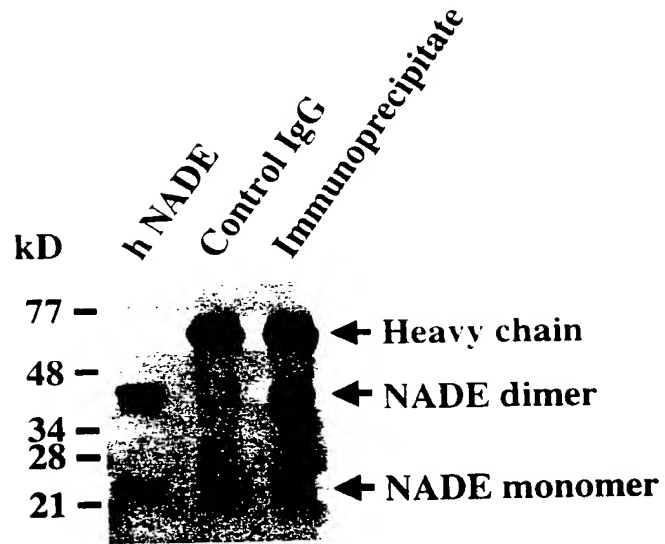


Figure 1F

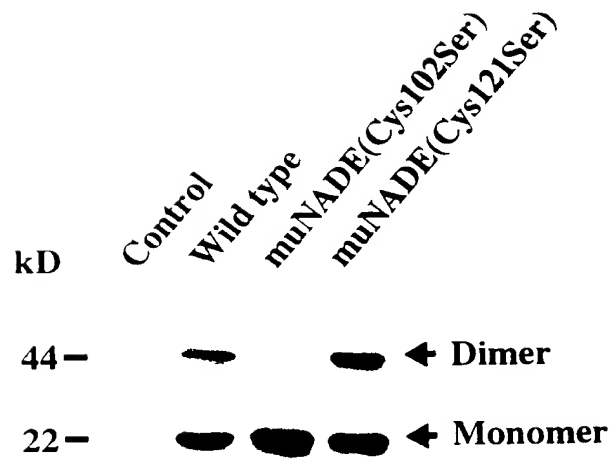


Figure 1G-1

## Mouse

1 acgagcgtctggccagcagctcggagctcctctgcgcgcggcgggctggcagcgggccc 60  
 61 aggcgagcgggacagattgactggaagccgagagtcaggcggcagcgggaattgacagg 120  
 121 aggactacgccgcaagggataggcccagaatagcaaccaggaaacaaaatctcatcatgg 180  
 181 ccaatgtccaccaggaaaacgaagagctggagcagccccctgcagaatggacaggaaagacc 240  
 241 gccctgtgggaggagggtgagggccaccagcctgctgcaaacaacaacaacaaccaca 300  
 301 accataaccacaaccaccaccgaagaggccaggctcgccgacctgccccctaacttccgat 360  
 361 gggccattcccaacaggcagatgaatgacgggttgggtggagatggagatgatatggaaa 420  
 421 tgttcattggaggagatgagagagatccggagaaagcttagggagctacagctgagaaatt 480  
 481 gtctacgcatecttatgggggagctgtcttaaccaccacgatcaccatgatgaattctgcc 540  
 541 ttatgccttgacttcgggtcatccccccctgagatccatactgtgactcccgcctgtagccc 600  
 601 tttccctcgcatcttcttgacatgcctttaatgaccgccttctgtgtgagccctgtgttat 660  
 661 ttccatgccatgtgccagggtggggccttgtgttgccagtga

## Human

1 accccatcccccaactcctataccggctcctccatttttggtgcctgcaaagctctgggaaag 60  
 60 aatccccgggaaacgaaaaatgggtgggttttgggggaagggaaggtaaggggagaaaagctgga 120  
 121 gggagggggctttaattggaggcccccttagaggacgcgcggaacttctaagggtgggaaaaa 180  
 181 acgaaattaaaaaatcctttgatatcagggtcttgaaatcctgctggtcagagcaccaagc 240  
 241 attcagtcctctcctctgctttgtcttacttgtgttcaaagaaaaacaaccagaaaaaa 300  
 301 aaaatctcatcatggcacaatatccaccaggaaaacgaagagatggagcagcctatgcaga 360  
 361 atggagaggaagaccgcccccttgggaggagggtgaaggccaccagcctgcaggaaaatcgac 420  
 421 ggggacaggctcgccgacttgccccctaattttcgatggggccatacccaataggcagatca 480  
 481 atgatgggatgggtggagatggagatgatatggaaatattcatggaggagatgagagaaa 540  
 541 ccagaagaaaaacttagggagctgcagttgaggaattgtctgcgtatccttatggggggagc 600  
 601 tctctaatcaccatgaccatcatgatgaattttgccttatgccttgactcctgccatttta 660  
 661 tcatgagattaatactgtgattccccgcctgtttcttttcttcttgcatcttccataatagc 720  
 721 ctttactgatccgtttgctgtgaaccctatgttatttccatgtgtcaagtgggtctttgtg 780  
 781 ttgccagcttctatttgaagattgcctttgcactcagtgtaagttttctgcagcagtagt 840  
 841 ttcaccattttgcatggaaaaatttaaagcctataaaagcaatttaaaaagc

Figure 1G-2

	1	15	16	30	31	45	46	60	61	75	76	90
1 musnade3a	MESKD-QGVKNLME	NHOKKEEKEKP-QDTTIRREPAVALISEAG	KNCAPR-----CGRRFRVR	QPIAHYRWDLMQRVG	EPQGRMREENVQRFG							
2 hunade3a1	MESKEERALNNLIVE	NNQENDEKDEKE-QVANKGEPL-ALPLAWS	EYCVP------GNRRFRVR	QPILQYRWDTMHRLG	EQQARMREENMERIG							
3 hunade3a2	MESKEKRANSLSME	NANQEN---EEKE-QVANKGEPL-ALPLDAG	EYCVP------GNRRFPVR	QPILQYRWDTMHRLG	EPQARMREENMERIG							
4 ratnad3a	MESKD-QCAKNLSME	NHOKKEEKEKP-QDTTIKREPVAPTFEAG	KNCAPR-----GGRRFRVR	QPISHYRWDLMHRVG	EPQGRMREENVQRFG							
5 ratnad3b	MASKVKQVILDLTVE	KDKKNKGKASK-QSEEBE---HHLEEVEN	KKP-----GCVRRKVR	RLVPNFWLWAI PNHRV	D-----HSEGGEVVG							
6 musnade3b	MASKFKQVILDLTVE	KDKDKRGKASK-QSEEEP---HHLEEVEN	KKP-----GCVRRKVR	RLVPNFWLWAI PNHRV	D-----RNEGGEEDVG							
7 humnade1	MA	NIHQENEEMEQPM-QNGEEDRLGGGBGHQPA	-----	RLAPNFRWAI PNROI	N---DGMGGDGDMD							
8 ratnade1	MEQPL-QNGQEDRPVGGCBGHQPA	-----	-----	RLAPNFRWAI PNROI	N---DGLGGDGDMD							
9 musnade1	MA	NVHQENEEMEQPL-QNGQEDRPVGGCBGHQPA	-----RRGQAR	RLAPNFRWAI PNROI	N---DGLGGDGDMD							
10 humnade2	ME	NVPKENKVVEKAPVN--EAPALGGGEYQEP	-----GCVRKGVMA	PAPPGGEDVPNRLV	D-NIDMIDGDGDMD							

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	91	105	106	120	121	135	136	150	151	165	166	180
1 musnade3a	GDRVQLME---	KLRE	QOLSHSLRAVSTDDPP-	HHDHDEFCLMP	130							
2 hunade3a1	EEVRQLME---	KLRE	QOLSHSLRAVSTDDPP	-HHDHDEFCLMP								
3 hunade3a2	EEVRQLME---	KLRE	QOLSHSLRAVSTDDPP	-HHDHDEFCLMP	125							
4 ratnad3a	EDMRQLME---	KLRE	QOLSHSLRAVSTDDPP	-HHDHDEFCLMP								
5 ratnad3b	RFVGQVMEAKRSKE	QQMRPYTRFTPEPD	NHYD----	FCLIP								
6 musnade3b	RFVVQGTEVKRKTTE	QQVRPVRRFTPEPD	NHYD----	FCLIP	97							
7 humnade1	IFMEENREIRRKLR	LQLRNCLRILMGELS	NHHDHDEFCLMP									
8 ratnade1	MFMEENREIRRKLR	LQLRNCLRILMGELS	NHHDHDEFCLMP									
9 musnade1	MFMEENREIRRKLR	LQLRNCLRILMGELS	NHHDHDEFCLMP									
10 humnade2	RFMEENREIRRKLR	LQLRYSLRILIGDPP	-HHDHDEFCLMP									

## Figure 1H

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Figure 2A

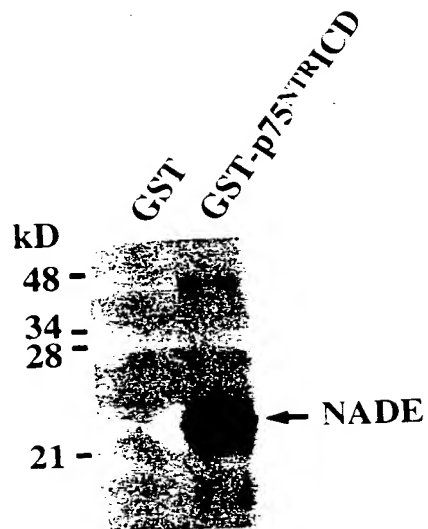
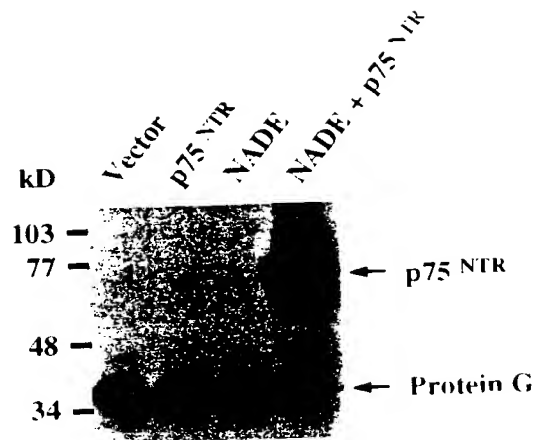


Figure 2B





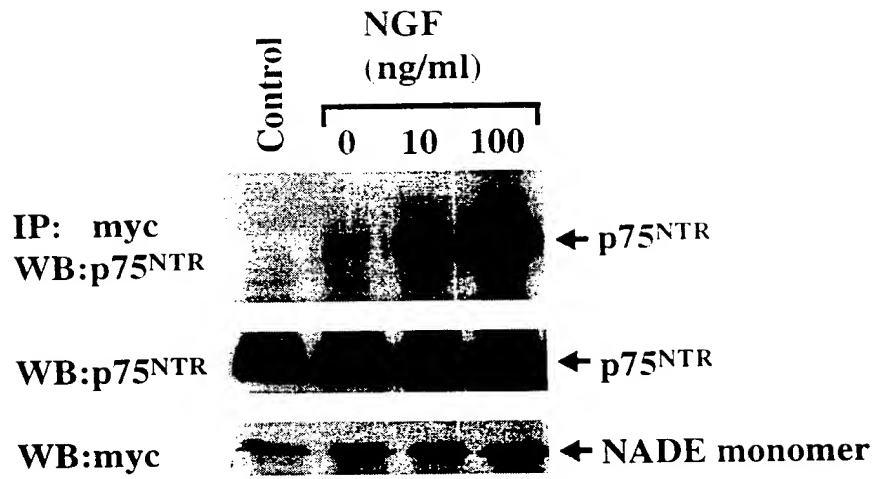
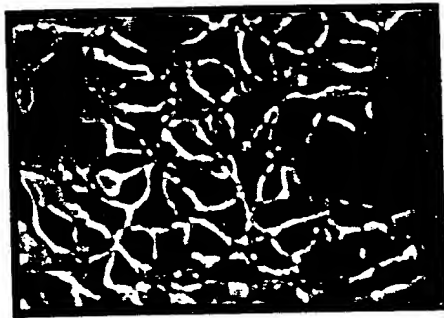


Figure 2C

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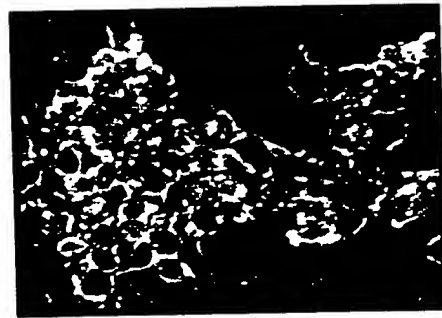
Control



NADE



p75<sup>NTR</sup>

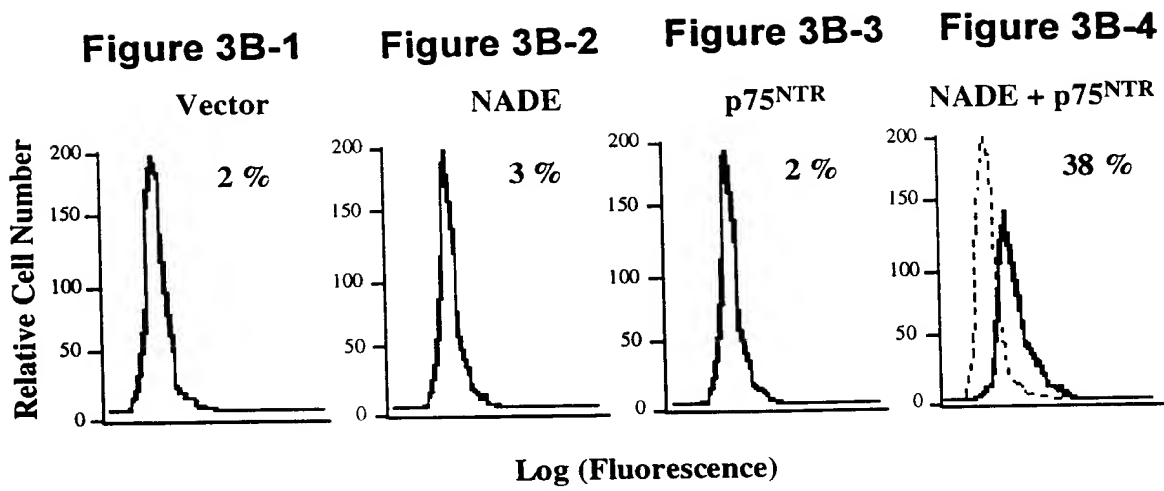


NADE + p75<sup>NTR</sup>

Figure 3 A

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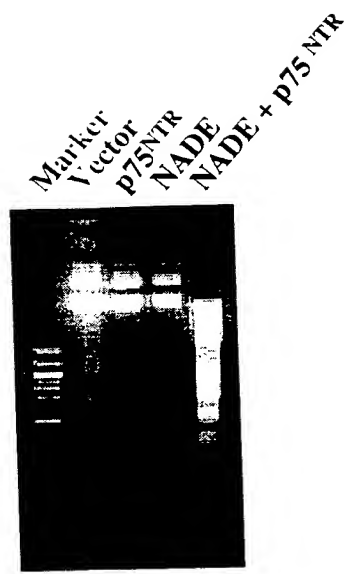


Figure 3C

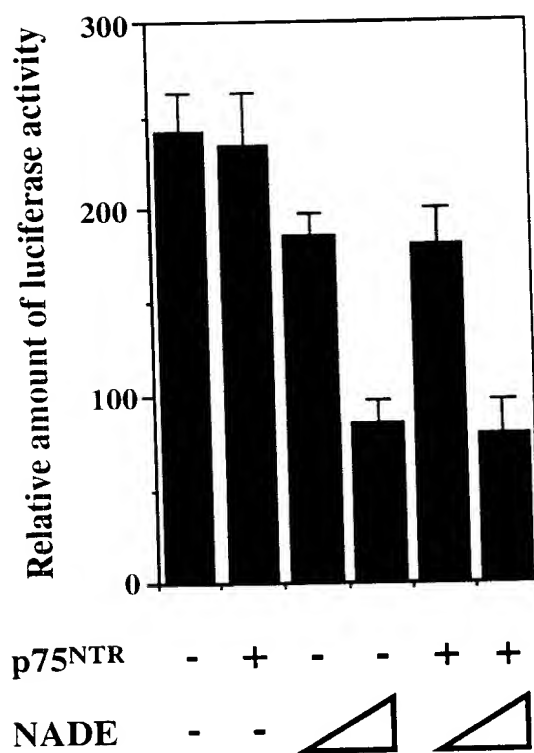


Figure 3D

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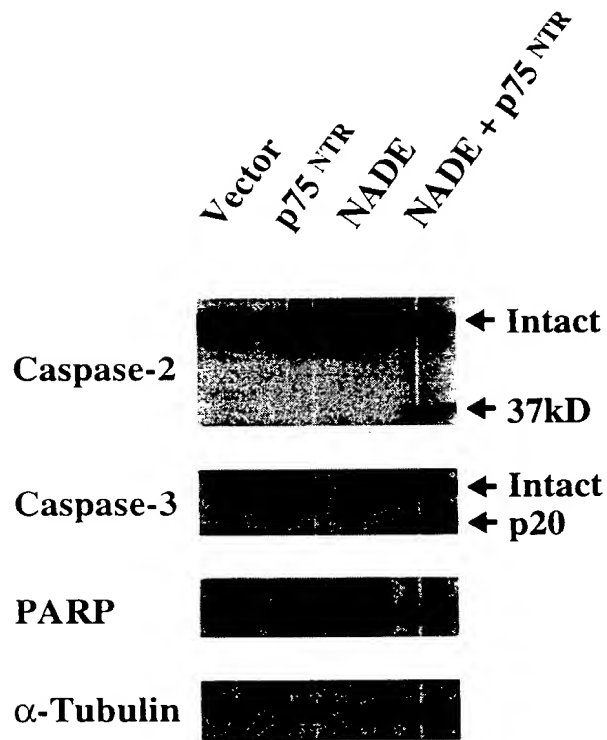


Figure 3E

**Figure 4A**

